



Shenzhen Belling Efficiency Testing Laboratory Co.,Ltd.  
www.bellingeel.com

Tel:0755-21038430

Address:Rm. 108, No.1 Building, Meibaohe industrial park, No.14 Shilongzi Road, Dalang street, Longhua district, Shenzhen, China

---

Client:

LumCAT: LE6R-5CCT-3000K

Luminaire:

Report No:

Ballast type:

Test No:

Voltage(V): 120.10

LampCAT:

Current(A): 0.1160

Lamp flux(lm): -1.0

Power (W): 13.37

Number of Lamps: 1

PF: 0.9601

Length(mm): 0

Width(mm): 0

Phm Type: C

Height(mm): 0

---

### Photometric Results

Lumens(lm): 972.59, Efficiency(%): 0.00% , Luminous Efficacy(lm/W): 72.74

Central intensity(cd): 358.483, Maximum intensity(cd): 358.483

Angle of maximum intensity: C=0.0  $\gamma$ =0.0

Beam Angle(50%Imax): [C0/180]Total=108.3

[C90/270]Total=107.7

Field angle(10%Imax): [C0/180]Total=158.2

[C90/270]Total=158.8

Maximum s/h(1/2): C0\_180=1.25 C90\_270=1.26

Maximum s/h(1/4): C0\_180=1.36 C90\_270=1.38

Up flux rate of lamp(%): 0.00%

Down flux rate of lamp(%): 0.00%

Up flux rate of LUM(%): 0.42%

Down flux rate of LUM(%): 99.58%

CIE Type : Direct lighting

Output flux ratio in  $\pi$  solid angle : 80.202%

---

Equipment: GMS-3000  
Temperature(°C): 25

Date:  
Humidity(%): 58%

Operator: Tester

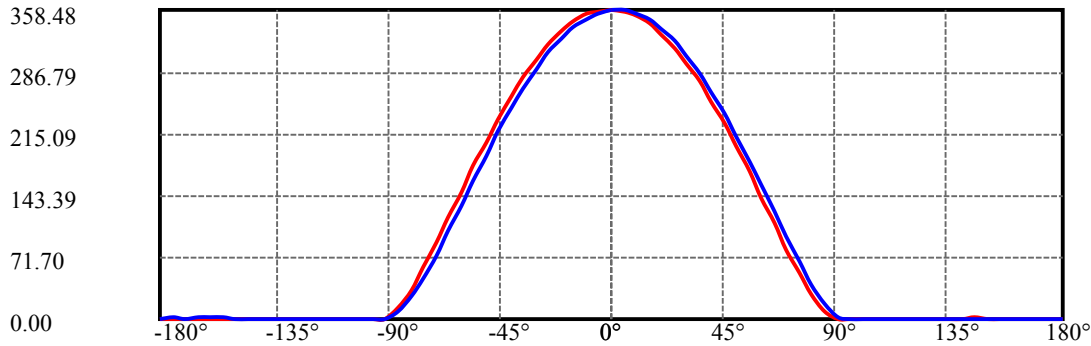
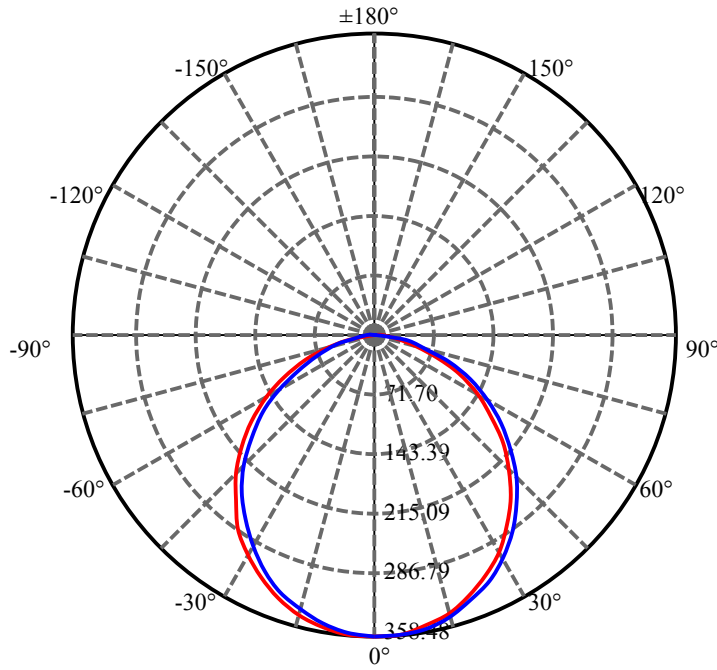
$\gamma(^{\circ})$	Average I(cd)	Zonal F(lm)	Sum F(lm)	Eff Flux(%)	Eff Sum(%)
0.0	358.483	0.000	0	0.00%	0.00%
5.0	356.613	8.549	8.549	0.00%	0.88%
10.0	351.691	25.338	33.887	0.00%	3.48%
15.0	343.011	41.209	75.096	0.00%	7.72%
20.0	331.129	55.559	130.655	0.00%	13.43%
25.0	315.966	67.868	198.523	0.00%	20.41%
30.0	298.130	77.714	276.238	0.00%	28.40%
35.0	277.225	84.725	360.963	0.00%	37.11%
40.0	254.122	88.651	449.614	0.00%	46.23%
45.0	228.533	89.368	538.981	0.00%	55.42%
50.0	201.091	86.812	625.793	0.00%	64.34%
55.0	172.591	81.251	707.044	0.00%	72.70%
60.0	143.217	72.998	780.042	0.00%	80.20%
65.0	113.076	62.305	842.347	0.00%	86.61%
70.0	83.808	49.852	892.199	0.00%	91.73%
75.0	56.128	36.577	928.776	0.00%	95.50%
80.0	32.126	23.614	952.39	0.00%	97.92%
85.0	12.808	12.210	964.6	0.00%	99.18%
90.0	1.350	3.876	968.476	0.00%	99.58%
95.0	0.318	0.456	968.933	0.00%	99.62%
100.0	0.423	0.201	969.134	0.00%	99.64%
105.0	0.450	0.234	969.368	0.00%	99.67%
110.0	0.529	0.256	969.624	0.00%	99.69%
115.0	0.529	0.268	969.892	0.00%	99.72%
120.0	0.556	0.264	970.155	0.00%	99.75%
125.0	0.556	0.257	970.412	0.00%	99.78%
130.0	0.741	0.282	970.694	0.00%	99.80%
135.0	0.741	0.299	970.994	0.00%	99.84%
140.0	0.741	0.274	971.268	0.00%	99.86%
145.0	0.900	0.274	971.542	0.00%	99.89%
150.0	0.874	0.261	971.803	0.00%	99.92%
155.0	0.953	0.231	972.034	0.00%	99.94%
160.0	0.979	0.203	972.237	0.00%	99.96%
165.0	0.926	0.157	972.394	0.00%	99.98%
170.0	0.900	0.108	972.502	0.00%	99.99%
175.0	0.926	0.065	972.568	0.00%	100.00%
180.0	1.035	0.023	972.591	0.00%	100.00%

## ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-30	276.24	N.A.	28.40%
0-40	449.61	N.A.	46.23%
0-60	780.04	N.A.	80.20%
0-90	968.48	N.A.	99.58%
0-120	970.16	N.A.	99.75%
0-180	972.59	N.A.	100.00%
60-90	188.43	N.A.	19.37%
90-120	1.68	N.A.	0.17%
90-130	2.22	N.A.	0.23%
90-150	3.33	N.A.	0.34%
90-180	4.09	N.A.	0.42%
0-59.87	778.07	N.A.	80.00%

## ZONAL LUMEN SUMMARY

0-10	33.89
10-20	96.77
20-30	145.58
30-40	173.38
40-50	176.18
50-60	154.25
60-70	112.16
70-80	60.19
80-90	16.09
90-100	0.66
100-110	0.49
110-120	0.53
120-130	0.54
130-140	0.57
140-150	0.53
150-160	0.43
160-170	0.27
170-180	0.07



C0/C180: —

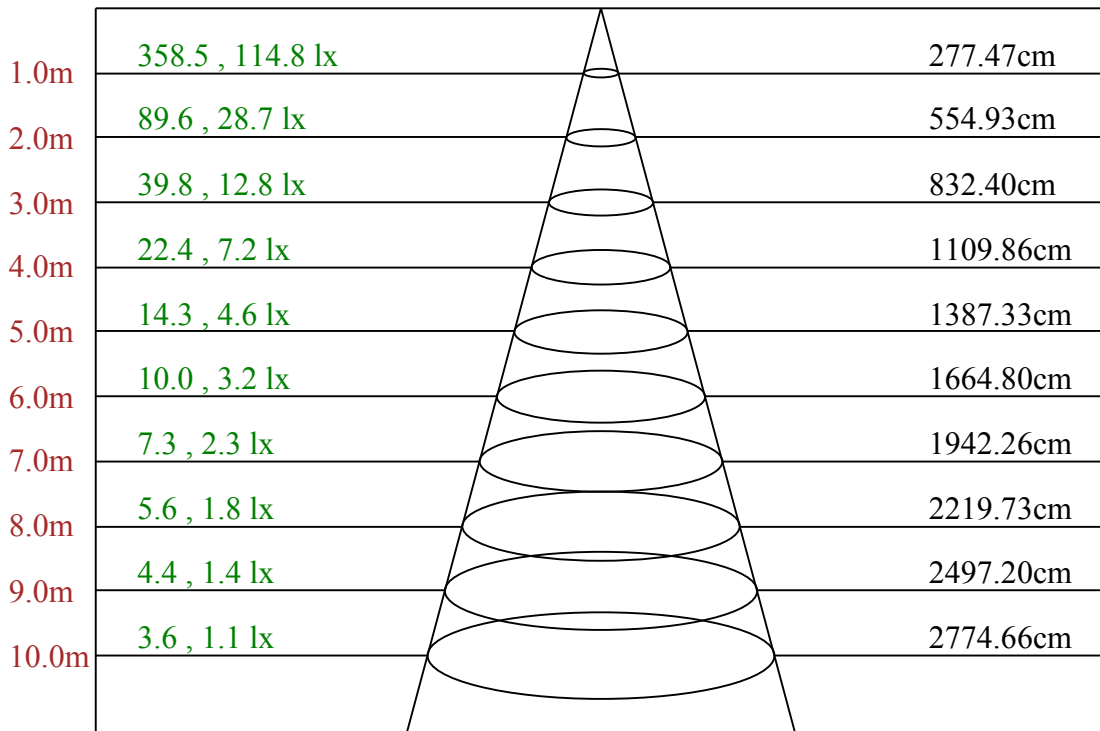
C90/C270: —

Field angle(10%Imax):C0/180Left:79.7 Right:78.5

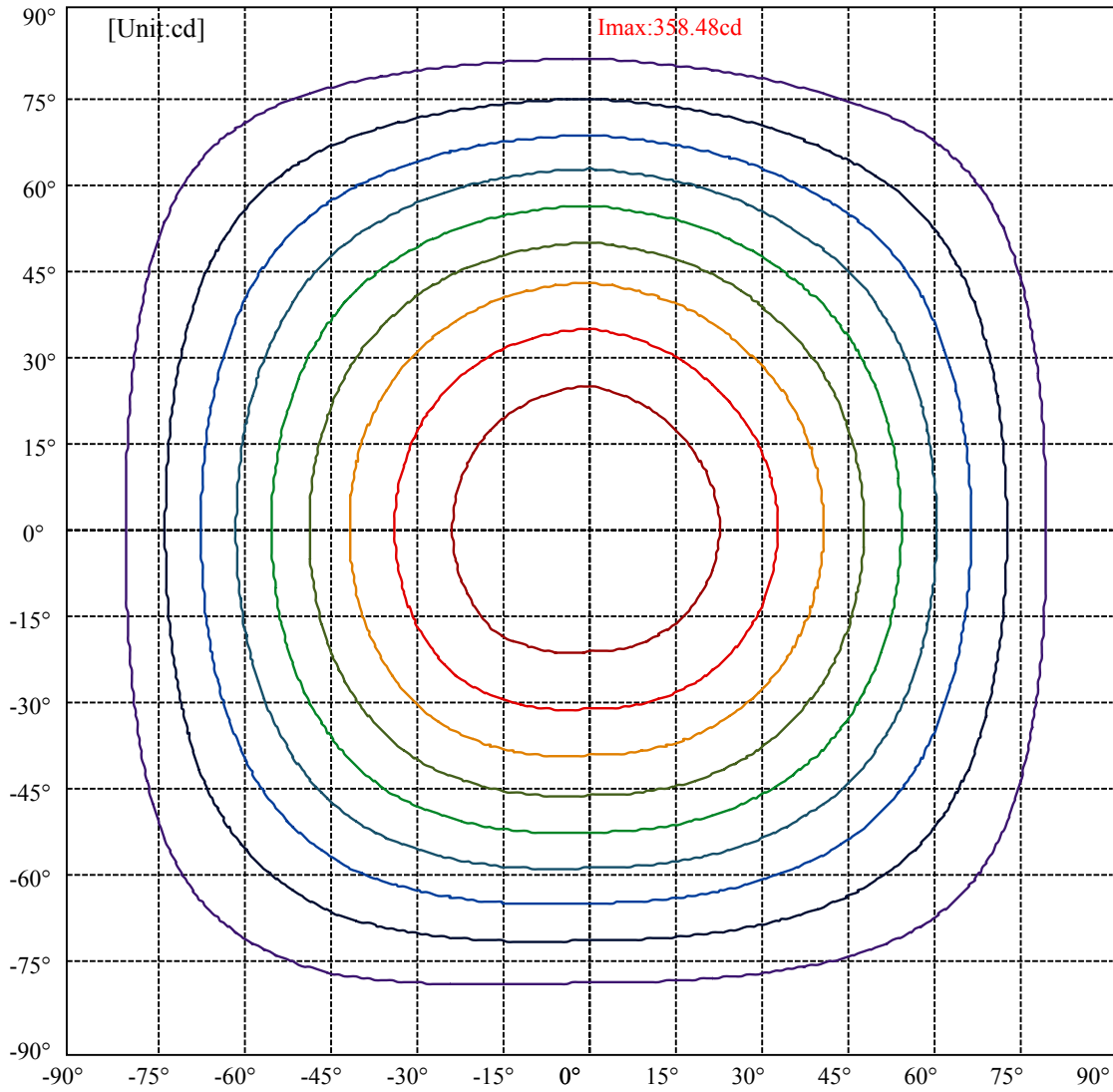
:C90/270Left:77.7 Right:81.1

Beam Angle(50%Imax):C0/180Left:54.7 Right:53.6

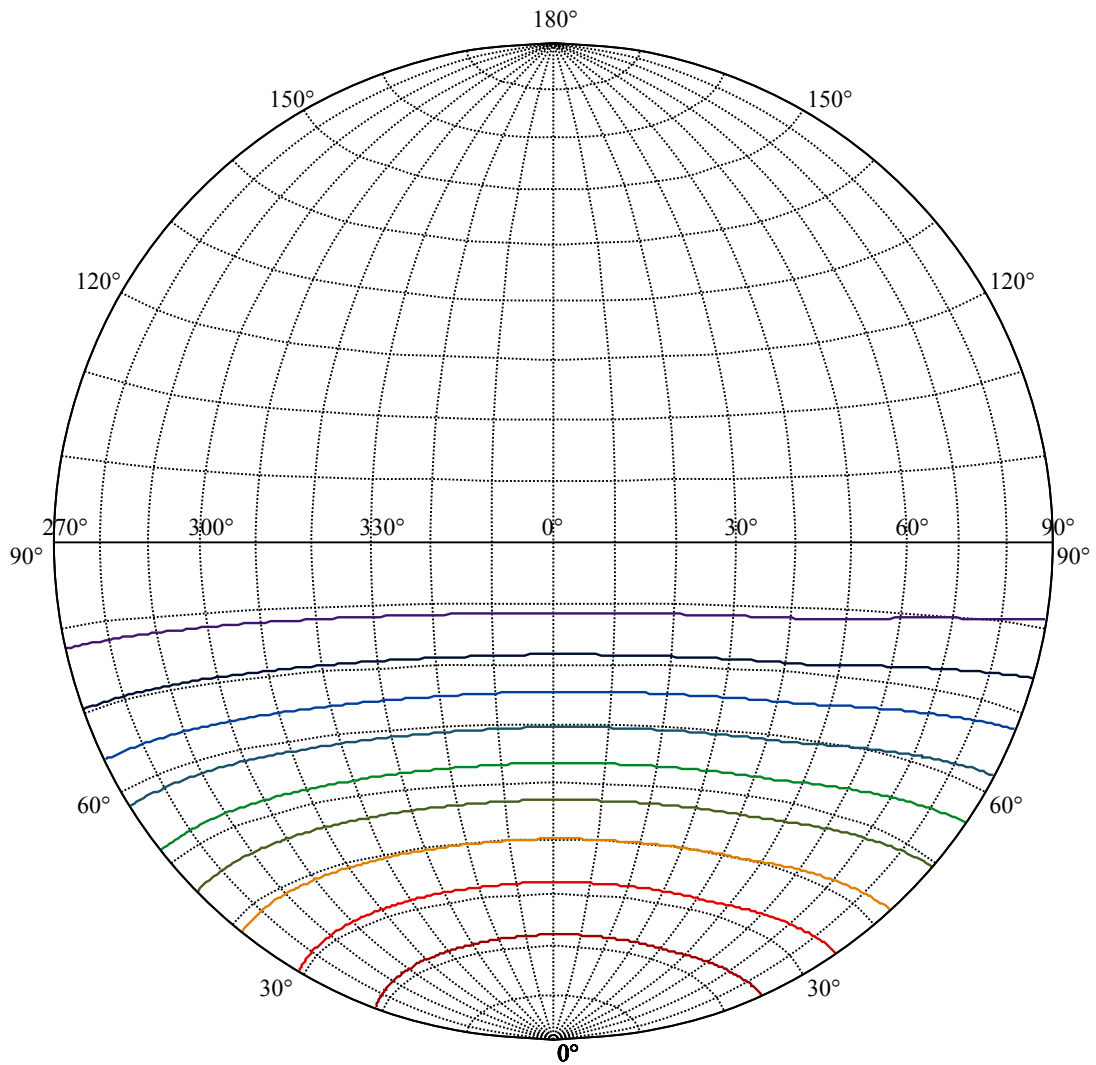
:C90/270Left:51.9 Right:55.8



Max , Ave      Beam angle of C0 plane 108.43



(10%Imax) 35.8483	—
(20%Imax) 71.6966	—
(30%Imax) 107.545	—
(40%Imax) 143.393	—
(50%Imax) 179.242	—
(60%Imax) 215.09	—
(70%Imax) 250.938	—
(80%Imax) 286.786	—
(90%Imax) 322.635	—



House

[Unit:cd]

Road

I<sub>max</sub>:358.48

(10%I <sub>max</sub> ) 35.8483	—
(20%I <sub>max</sub> ) 71.6966	—
(30%I <sub>max</sub> ) 107.545	—
(40%I <sub>max</sub> ) 143.393	—
(50%I <sub>max</sub> ) 179.242	—
(60%I <sub>max</sub> ) 215.09	—
(70%I <sub>max</sub> ) 250.938	—
(80%I <sub>max</sub> ) 286.786	—
(90%I <sub>max</sub> ) 322.635	—

LE6R-5CCT-3000K

Intensity data(cd)

C/γ(°)	0.0	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0
0.0	358.48	356.72	351.21	342.11	329.83	314.59	296.81	275.64	252.14
45.0	358.48	356.30	351.00	341.90	329.83	313.74	295.54	273.94	250.87
90.0	358.48	357.57	353.97	346.56	335.97	321.79	304.85	284.95	263.15
135.0	358.48	357.14	353.12	345.29	334.07	319.46	302.31	282.41	259.97
180.0	358.48	357.35	353.12	344.86	333.01	318.40	301.25	280.72	257.43
225.0	358.48	357.35	352.91	344.86	333.22	318.61	300.83	280.29	257.22
270.0	358.48	355.03	348.46	338.30	325.39	309.30	289.61	268.02	244.52
315.0	358.48	355.45	349.73	340.21	327.72	311.84	293.84	271.83	247.69
360.0	358.48	356.72	351.21	342.11	329.83	314.59	296.81	275.64	252.14

C/γ(°)	45.0	50.0	55.0	60.0	65.0	70.0	75.0	80.0	85.0
0.0	226.73	199.42	171.06	141.21	110.72	81.08	53.14	28.16	9.53
45.0	225.46	197.94	168.94	139.09	109.66	79.39	52.08	27.73	9.10
90.0	238.59	211.91	183.33	156.24	125.12	94.84	66.90	40.65	18.42
135.0	233.30	206.20	178.47	148.83	117.92	89.13	60.76	36.20	15.03
180.0	232.03	205.56	177.41	147.77	118.13	88.49	59.70	34.51	14.40
225.0	231.81	204.29	175.71	146.92	116.65	87.01	59.49	36.63	17.15
270.0	218.05	190.11	160.89	131.47	101.83	73.88	47.42	25.62	8.26
315.0	222.29	193.28	164.92	134.22	104.58	76.64	49.54	27.52	10.59
360.0	226.73	199.42	171.06	141.21	110.72	81.08	53.14	28.16	9.53

C/γ(°)	90.0	95.0	100.0	105.0	110.0	115.0	120.0	125.0	130.0
0.0	0.64	0.42	0.42	0.64	0.64	0.85	0.64	0.42	0.85
45.0	0.64	0.42	0.64	0.64	0.85	0.85	0.85	0.85	0.85
90.0	2.96	0.21	0.42	0.21	0.42	0.00	0.21	0.42	0.64
135.0	1.69	0.00	0.21	0.21	0.21	0.42	0.21	0.21	0.42
180.0	0.64	0.00	0.21	0.21	0.42	0.21	0.42	0.42	0.42
225.0	2.75	0.21	0.21	0.00	0.21	0.21	0.42	0.42	0.64
270.0	0.64	0.64	0.64	0.85	0.64	0.85	1.06	0.85	1.06
315.0	0.85	0.64	0.64	0.85	0.85	0.85	0.64	0.85	1.06
360.0	0.64	0.42	0.42	0.64	0.64	0.85	0.64	0.42	0.85

C/γ(°)	135.0	140.0	145.0	150.0	155.0	160.0	165.0	170.0	175.0
0.0	1.06	0.85	1.27	1.06	1.06	0.85	1.06	0.85	0.85
45.0	1.06	1.06	1.06	1.06	0.85	1.06	0.85	1.06	0.85
90.0	0.64	0.64	0.64	0.85	0.85	1.06	0.85	1.06	0.85
135.0	0.42	0.64	0.64	0.85	0.85	0.85	0.64	0.85	1.06
180.0	0.42	0.42	0.85	0.64	0.85	0.85	1.06	0.85	0.85
225.0	0.42	0.64	0.64	0.64	0.85	0.85	0.85	0.85	0.85
270.0	1.06	1.06	1.06	1.06	1.27	1.27	1.27	0.85	1.27
315.0	0.85	0.64	1.06	0.85	1.06	1.06	0.85	0.85	0.85
360.0	1.06	0.85	1.27	1.06	1.06	0.85	1.06	0.85	0.85

C/γ(°)	180.0
0.0	1.04
45.0	1.04
90.0	1.04
135.0	1.04
180.0	1.04
225.0	1.04
270.0	1.04
315.0	1.04
360.0	1.04